

What is claimed is:

- 1 1. A method of displaying application-output data in a web browser, the method
2 comprising the steps of:
3 providing a web browser window;
4 providing at least one application-output window positioned within the web
5 browser window;
6 receiving window attribute information corresponding to the application-output
7 window via a first virtual channel coupled to the application-output window, the window
8 attribute information being modifiable independently of the web browser;
9 receiving the application-output data via a second virtual channel coupled to the
10 application-output window;
11 displaying the application-output window in accordance with the window attribute
12 information; and
13 displaying the application-output data in the application-output window.
- 1 2. The method of claim 1 further comprising the step of providing a client agent
2 monitoring and responding to events associated with the application-output window,
3 independently of the web browser.
- 1 3. The method of claim 2 further comprising the step of resizing, by the client agent,
2 the application-output window in response to an input received by the client agent.

1 4. The method of claim 1 further comprising the step of establishing, independently
2 of the web browser, the first and second virtual channels.

1 5. The method of claim 1 further comprising the step of receiving application-output
2 data generated by an unmodified application program.

1 6. The method of claim 1 further comprising the step of executing a client agent in
2 response to an application object embedded in a web page displayed in the web browser
3 window, the client agent establishing the first and second virtual channels independently
4 of the web browser.

1 7. The method of claim 6 further comprising the step of using the received window
2 attribute information to modify at least one property of the application object, the
3 modified property of the application object triggering a corresponding change in the
4 application-output window.

1 8. The method of claim 1 further comprising the step of executing a client agent in
2 response to an ActiveX control embedded in a web page displayed in the web browser
3 window, the client agent establishing the first and second virtual channels independently
4 of the web browser.

1 9. The method of claim 1 further comprising the step of providing a plurality of
2 application-output windows positioned within the web browser window, each of the

3 application-output windows displaying application-output data received from a different
4 application server.

1 10. A system for displaying application-output data in a web browser, the system
2 comprising:

3 a web browser window;

4 at least one application-output window displaying the application-output data and
5 positioned within the web browser window;

6 a first virtual channel receiving window attribute information corresponding to the
7 application-output window, the window attribute information being modifiable
8 independently of the web browser; and

9 a second virtual channel receiving the application-output data, wherein the
10 application-output data is displayed in the application-output window in accordance with
11 the window attribute information.

1 11. The system of claim 10 further comprising a client agent monitoring and
2 responding to events associated with the application-output window.

1 12. The system of claim 11 wherein the client agent resizes the application-output
2 window in response to an input received by the client agent.

1 13. The system of claim 11 wherein the client agent forms the first and second virtual
2 channels independently of the web browser.

1 14. The system of claim 10 further comprising an unmodified application program
2 generating the application-output data.

1 15. The system of claim 10 further comprising:
2 an application object embedded in a web page displayed in the web browser
3 window, the application object including at least one property affecting the application-
4 output window; and
5 a client agent instantiated in response to the application object and capable of
6 modifying the property of the application object upon receipt of the window attribute
7 information from the second virtual channel.

1 16. The system of claim 15 wherein the application object is an ActiveX control.

1 17. The system of claim 10 wherein the application-output window is a child window
2 of the web browser window.

1 18. The system of claim 10 further comprising a plurality of application-output
2 windows positioned within the web browser window, each of the application-output
3 windows displaying application-output data received from a different application server.